

<b>Project Title:</b>	QTL and Microarray Mapping Lead Sensitivity Genes
<b>PI:</b>	Ruden, Douglas M
<b>Institution:</b>	Wayne State University
<b>Grant Number:</b>	R01ES012933

These search results have not been confirmed by NIEHS and are therefore, not official. They are to be used only for general information and to inform the public and grantees on the breadth of research funded by NIEHS.

Viewing 37 publications

Print version (PDF)

([http://www.niehs.nih.gov/portfolio/index.cfm/portfolio/grantpubdetail/grant\\_number/R01ES012933/format/word](http://www.niehs.nih.gov/portfolio/index.cfm/portfolio/grantpubdetail/grant_number/R01ES012933/format/word))

Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
A program for annotating and predicting the effects of single nucleotide polymorphisms, SnpEff: SNPs ...	Cingolani, Pablo; Platts, Adrian; Wang, Le Lily; Coon, Melissa; Nguyen, Tung; Wang, Luan; Land, Susan J; Lu, Xiangyi; Ruden, Douglas M	Fly (Austin) (2012 Apr-Jun)	6 / 80-92	<a href="#">PubMed Citation</a>
An examination of the association of selected toxic metals with total and central obesity indices: N ...	Padilla, Miguel A; Elobeid, Mai; Ruden, Douglas M; Allison, David B	Int J Environ Res Public Health (2010 Sep)	7 / 3332-47	<a href="#">PubMed Citation</a>
Chronic lead exposure alters presynaptic calcium regulation and synaptic facilitation in Drosophila ...	He, T; Hirsch, H V B; Ruden, D M; Lnenicka, G A	Neurotoxicology (2009 Sep)	30 / 777-84	<a href="#">PubMed Citation</a>
Cisplatin in 5% Ethanol Eradicates Cisplatin-Resistant Lung Tumor by Killing Lung Cancer Side Popula ...	Niu, Qi; Wang, Wei; Li, Yong; Ruden, Douglas M; Li, Qian; Wang, Fenghua	Front Genet (2013)	4 / 163	<a href="#">PubMed Citation</a>
CloudAligner: A fast and full-featured MapReduce based tool for sequence mapping.	Nguyen, Tung; Shi, Weisong; Ruden, Douglas	BMC Res Notes (2011 Jun 06)	4 / 171	<a href="#">PubMed Citation</a>
Drosophila melanogaster as a model for lead neurotoxicology and toxicogenomics research.	Hirsch, Helmut V B; Lnenicka, Gregory; Possidente, Debra; Possidente, Bernard; Garfinkel, Mark D; Wang, Luan; Lu, Xiangyi; Ruden, Douglas M	Front Genet (2012)	3 / 68	<a href="#">PubMed Citation</a>
Early life lead exposure causes gender-specific changes in the DNA methylation profile of DNA extrac ...	Sen, Arko; Heredia, Nicole; Senut, Marie-Claude; Hess, Matthew; Land, Susan; Qu, Wen; Hollacher, Kurt; Dereski, Mary O; Ruden, Douglas M	Epigenomics (2015)	7 / 379-93	<a href="#">PubMed Citation</a>

Endocrine disruptors and obesity: an examination of selected persistent organic pollutants in the NH ...	Elobeid, Mai A; Padilla, Miguel A; Brock, David W; Ruden, Douglas M; Allison, David B	Int J Environ Res Public Health (2010 Jul)	7 / 2988-3005	PubMed Citat
Epigenetics as an answer to Darwin's "special difficulty," Part 2: natural selection of metastable e ...	Ruden, Douglas M; Cingolani, Pablo E; Sen, Arko; Qu, Wen; Wang, Luan; Senut, Marie-Claude; Garfinkel, Mark D; Sollars, Vincent E; Lu, Xiangyi	Front Genet (2015)	6 / 60	PubMed Citat
Epigenetics of early-life lead exposure and effects on brain development.	Senut, Marie-Claude; Cingolani, Pablo; Sen, Arko; Kruger, Adele; Shaik, Asra; Hirsch, Helmut; Suhr, Steven T; Ruden, Douglas	Epigenomics (2012 Dec)	4 / 665-74	PubMed Citat
Frontiers in toxicogenomics - the grand challenge: to understand how the genome and epigenome intera ...	Ruden, Douglas Mark	Front Genet (2011)	2 / 12	PubMed Citat
Genetic aspects of behavioral neurotoxicology.	Levin, Edward D; Aschner, Michael; Heberlein, Ulrike; Ruden, Douglas; Welsh-Bohmer, Kathleen A; Bartlett, Selena; Berger, Karen; Chen, Lang; Corl, Ammon B; Eddins, Donnie; French, Rachael; Hayden, Kathleen M; Helmcke, Kirsten; Hirsch, Helmut V B; Linney, Elwood; Lnenicka, Greg; Page, Grier P; Possidente, Debra; Possidente, Bernard; Kirshner, Annette	Neurotoxicology (2009 Sep)	30 / 741-53	PubMed Citat
Genetical toxicogenomics in Drosophila identifies master-modulatory loci that are regulated by devel ...	Ruden, Douglas M; Chen, Lang; Possidente, Debra; Possidente, Bernard; Rasouli, Parsa; Wang, Luan; Lu, Xiangyi; Garfinkel, Mark D; Hirsch, Helmut V B; Page, Grier P	Neurotoxicology (2009 Nov)	30 / 898-914	PubMed Citat
Hsp90 affecting chromatin remodeling might explain transgenerational epigenetic inheritance in Dros ...	Ruden, Douglas M; Lu, Xiangyi	Curr Genomics (2008 Nov)	9 / 500-8	PubMed Citat

Hsp90 inhibitors and drug resistance in cancer: the potential benefits of combination therapies of H ...	Lu, Xiangyi; Xiao, Li; Wang, Luan; Ruden, Douglas M	Biochem Pharmacol (2012 Apr 15)	83 / 995-1004	PubMed Citat
Hsp90 inhibitors and the reduction of anti-cancer drug resistance by non-genetic and genetic mechani ...	Lu, Xiangyi; Wang, Luan; Ruden, Douglas M	Pharmaceuticals (Basel) (2012)	5 / 890-8	PubMed Citat
Hypothesis: environmental regulation of 5-hydroxymethylcytosine by oxidative stress.	Chia, Nancy; Wang, Luan; Lu, Xiangyi; Senut, Mary-Claude; Brenner, Carol; Ruden, Douglas M	Epigenetics (2011 Jul)	6 / 853-6	PubMed Citat
Identification of epigenetically altered genes in sporadic amyotrophic lateral sclerosis.	Figueroa-Romero, Claudia; Hur, Junguk; Bender, Diane E; Delaney, Colin E; Cataldo, Michael D; Smith, Andrea L; Yung, Raymond; Ruden, Douglas M; Callaghan, Brian C; Feldman, Eva L	PLoS One (2012)	7 / e52672	PubMed Citat
Intratumoral injection of cisplatin in various concentrations of ethanol for cisplatin-resistant lun ...	Niu, Qi; Wang, Wei; Li, Qian; Li, Yong; Ruden, Douglas M; Wang, Fenghua	Mol Clin Oncol (2014 Jul)	2 / 491-496	PubMed Citat
Intronic non-CG DNA hydroxymethylation and alternative mRNA splicing in honey bees.	Cingolani, Pablo; Cao, Xiaoyi; Khetani, Radhika S; Chen, Chieh-Chun; Coon, Melissa; Sammak, Alya'a; Bollig-Fischer, Aliccia; Land, Susan; Huang, Yun; Hudson, Matthew E; Garfinkel, Mark D; Zhong, Sheng; Robinson, Gene E; Ruden, Douglas M	BMC Genomics (2013)	14 / 666	PubMed Citat
Lead exposure disrupts global DNA methylation in human embryonic stem cells and alters their neurona ...	Senut, Marie-Claude; Sen, Arko; Cingolani, Pablo; Shaik, Asra; Land, Susan J; Ruden, Douglas M	Toxicol Sci (2014 May)	139 / 142-61	PubMed Citat
Lead exposure induces changes in 5-hydroxymethylcytosine clusters in CpG islands in human embryonic ...	Sen, Arko; Cingolani, Pablo; Senut, Marie-Claude; Land, Susan; Mercado-Garcia, Adriana; Tellez-Rojo, Martha M; Baccarelli, Andrea A; Wright, Robert O; Ruden, Douglas M	Epigenetics (2015)	10 / 607-21	PubMed Citat

Low molecular weight heparin ablates lung cancer cisplatin-resistance by inducing proteasome-mediated ...	Niu, Qi; Wang, Wei; Li, Yong; Ruden, Douglas M; Wang, Fenghua; Li, Yue; Wang, Fangying; Song, Jingying; Zheng, Kun	PLoS One (2012)	7 / e41035	PubMed Citat
Mapping quantitative trait loci affecting variation in Drosophila triacylglycerol storage.	De Luca, Maria; Yi, Nengjun; Allison, David B; Leips, Jeff; Ruden, Douglas M	Obes Res (2005 Sep)	13 / 1596-605	PubMed Citat
Massively parallel resequencing of the isogenic Drosophila melanogaster strain w(1118); iso-2; iso-3 ...	Platts, Adrian E; Land, Susan J; Chen, Lang; Page, Grier P; Rasouli, Parsa; Wang, Luan; Lu, Xiangyi; Ruden, Douglas M	Fly (Austin) (2009 Jul-Sep)	3 / 192-203	PubMed Citat
Multigenerational epigenetic inheritance in humans: DNA methylation changes associated with maternal ...	Sen, Arko; Heredia, Nicole; Senut, Marie-Claude; Land, Susan; Hollocher, Kurt; Lu, Xiangyi; Dereski, Mary O; Ruden, Douglas M	Sci Rep (2015)	5 / 14466	PubMed Citat
Percutaneous Fine-Needle 5% Ethanol-Cisplatin Intratumoral Injection Combined with Second-Line Chemo ...	Niu, Qi; Wang, Wei; Li, Qian; Li, Yong; Ruden, Douglas M; He, Baoming	Transl Oncol (2014 Apr)	7 / 303-8	PubMed Citat
Possible effects of early treatments of hsp90 inhibitors on preventing the evolution of drug resistance ...	Xiao, Li; Rasouli, Parsa; Ruden, Douglas M	Curr Med Chem (2007)	14 / 223-32	PubMed Citat
Radiation-induced epigenetic DNA methylation modification of radiation-response pathways.	Antwihi, Deborah A; Gabbara, Kristina M; Lancaster, Wayne D; Ruden, Douglas M; Zielske, Steven P	Epigenetics (2013 Aug)	8 / 839-48	PubMed Citat
Single nucleotide polymorphisms affect both cis- and trans-eQTLs.	Chen, Lang; Page, Grier P; Mehta, Tapan; Feng, Jun; Rui; Cui, Xiangqin	Genomics (2009 Jun)	93 / 501-8	PubMed Citat
Size-Dependent Toxicity of Gold Nanoparticles on Human Embryonic Stem Cells and Their Neural Derivat ...	Senut, Marie-Claude; Zhang, Yanhua; Liu, Fangchao; Sen, Arko; Ruden, Douglas M; Mao, Guangzhao	Small (2016 Feb 03)	12 / 631-46	PubMed Citat
Ten putative contributors to the obesity epidemic.	McAllister, Emily J; Dhurandhar, Nikhil V; Keith, Scott W; Aronne, Louis J; Barger, Jamie; Baskin, Monica; Benca, Ruth M; Biggio, Joseph; Boggiano, Mary M; Eisenmann, Joe C; Elobeid, Mai; Fontaine, Kevin R; Gluckman,	Crit Rev Food Sci Nutr (2009 Nov)	49 / 868-913	PubMed Citat

	Peter; Hanlon, Erin C; Katzmarzyk, Peter; Pietrobelli, Angelo; Redden, David T; Ruden, Douglas M; Wang, Chenxi; Waterland, Robert A; Wright, Suzanne M; Allison, David B	Ruden, Douglas M	Nat Genet (2011 Feb) 43 / 88-9	PubMed Citat
The (new) new synthesis and epigenetic capacitors of morphological evolution.	Ruden, Douglas M; Jamison, D Curtis; Zeeberg, Barry R; Garfinkel, Mark D; Weinstein, John N; Rasouli, Parsa; Lu, Xiangyi	Front Neuroendocrinol (2008 Jun) 29 / 428-44	PubMed Citat	
The EDGE hypothesis: epigenetically directed genetic errors in repeat-containing proteins (RCPs) inv ...	Schrey, Aaron W; Richards, Christina L; Meller, Victoria; Sollars, Vincent; Ruden, Douglas M	Genet Res Int (2012)	2012 / 286164	PubMed Citat
The role of epigenetics in evolution: the extended synthesis.	Cingolani, Pablo; Patel, Viral M; Coon, Melissa; Nguyen, Tung; Land, Susan J; Ruden, Douglas M; Lu, Xiangyi	Front Genet 3 / 35	PubMed Citat	
Using Drosophila melanogaster as a Model for Genotoxic Chemical Mutational Studies with a New Progra ...	Hirsch, Helmut V B; Possidente, Debra; Averill, Sarah; Despain, Tamira Palmetto; Buytkins, Joel; Thomas, Valerie; Goebel, W Paul; Shipp-Hilts, Asante; Wilson, Diane; Hollocher, Kurt; Possidente, Bernard; Lnenicka, Greg; Ruden, Douglas M	Neurotoxicology 30 / 305-11	PubMed Citat	
Variations at a quantitative trait locus (QTL) affect development of behavior in lead-exposed Drosop ...				